

FIG. 1

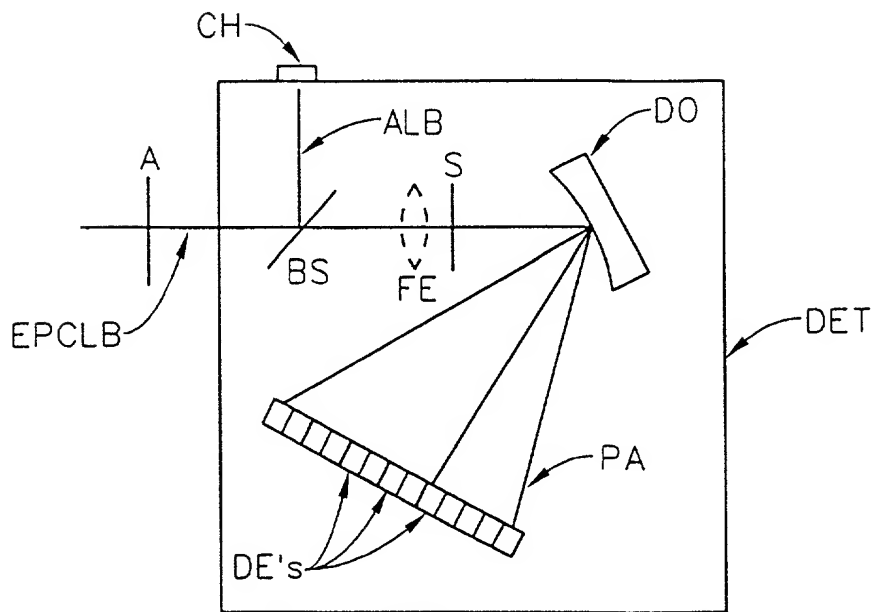


FIG. 2

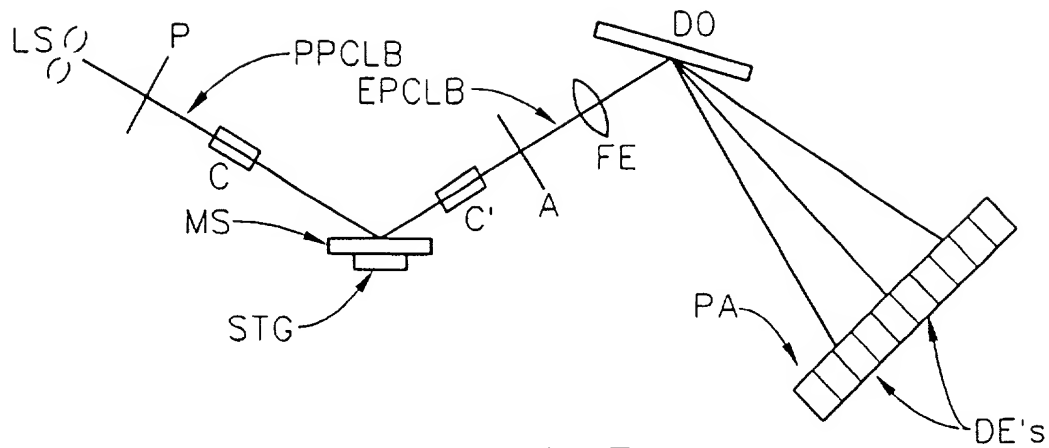


FIG. 3

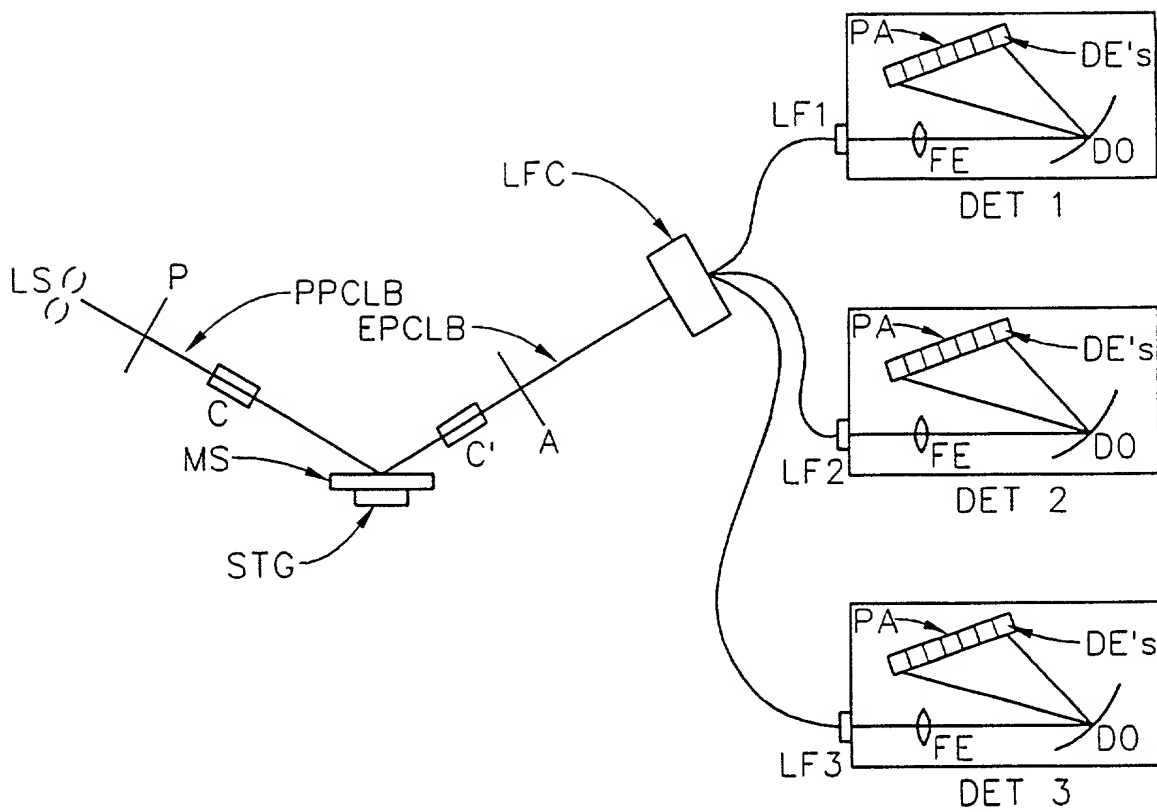
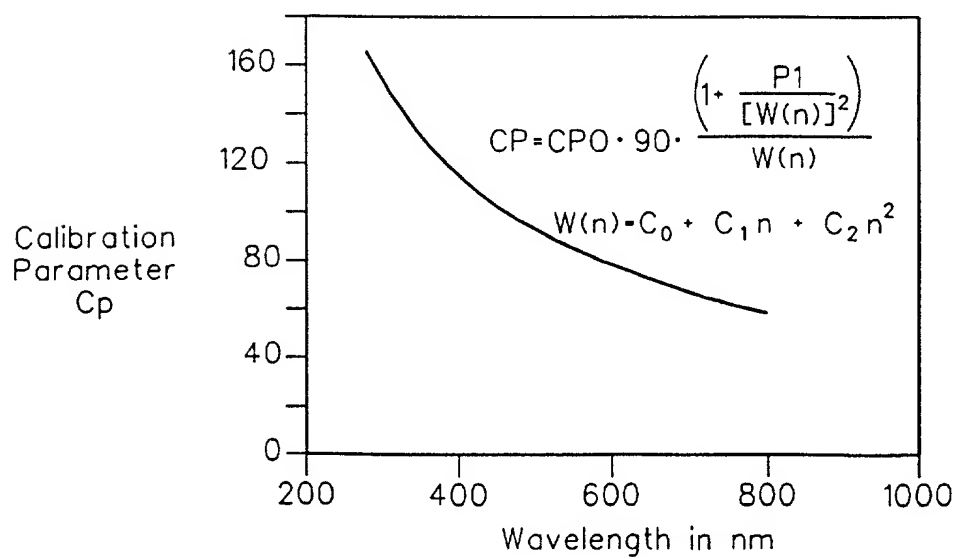


FIG. 4

The diagram illustrates a laser system for a laser-plasma experiment. A laser beam originates from a REE (Rare Earth Element) source, passes through a series of mirrors (MS, C, P), a lens (LS), and a series of optical components (C', A, EPCLB, F1, PA, DO) to illuminate a target (DE'S). The target is positioned at the intersection of two beams, one labeled +ORD1 and the other -ORD1. The target is also labeled +ORD2 and -ORD2. The target is a plasma (PA) and the laser beam is labeled DE'S.



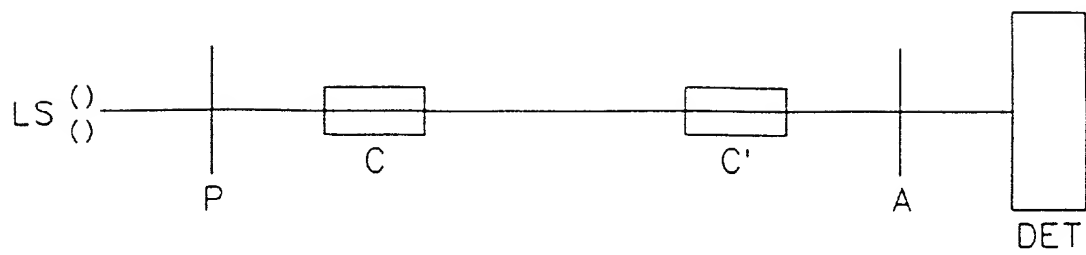


FIG. 7

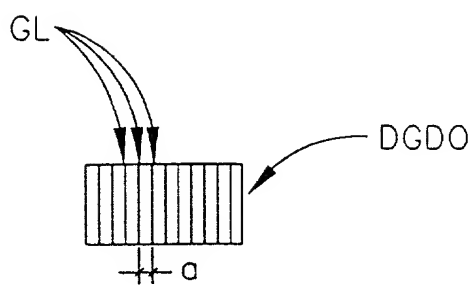


FIG. 8a

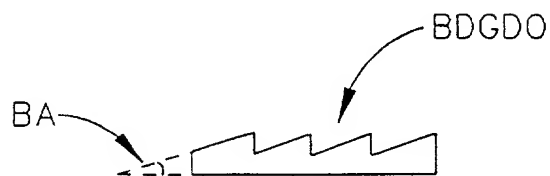


FIG. 8b

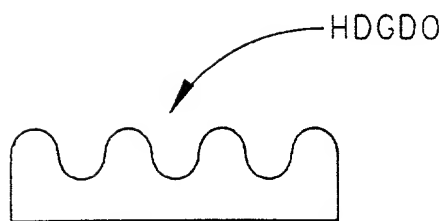


FIG. 8c

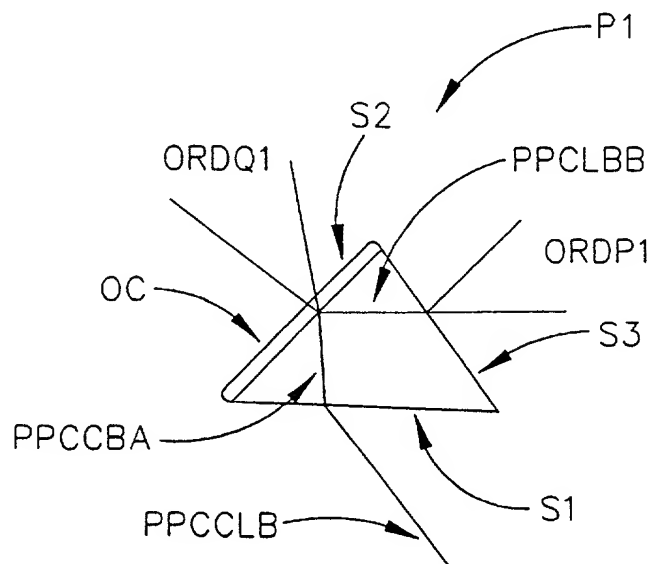


FIG. 8d

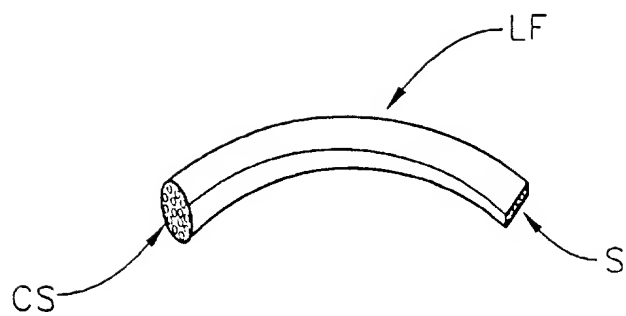


FIG. 9a

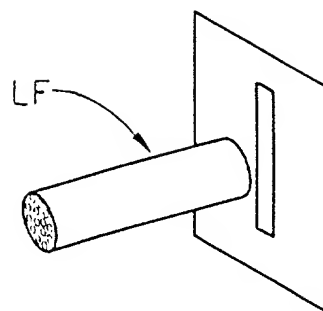


FIG. 9b

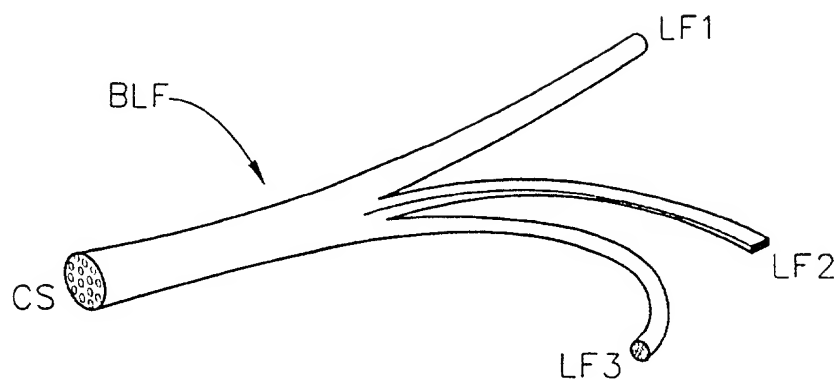


FIG. 9c

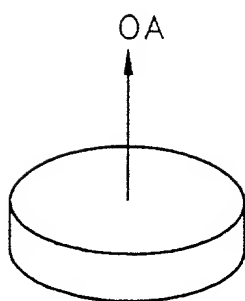


FIG. 9d

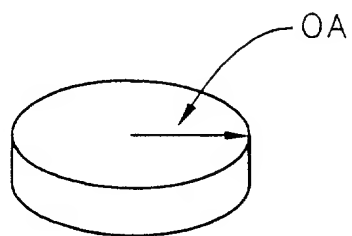


FIG. 9e

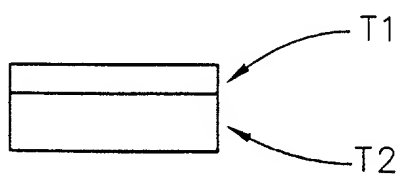


FIG. 9f

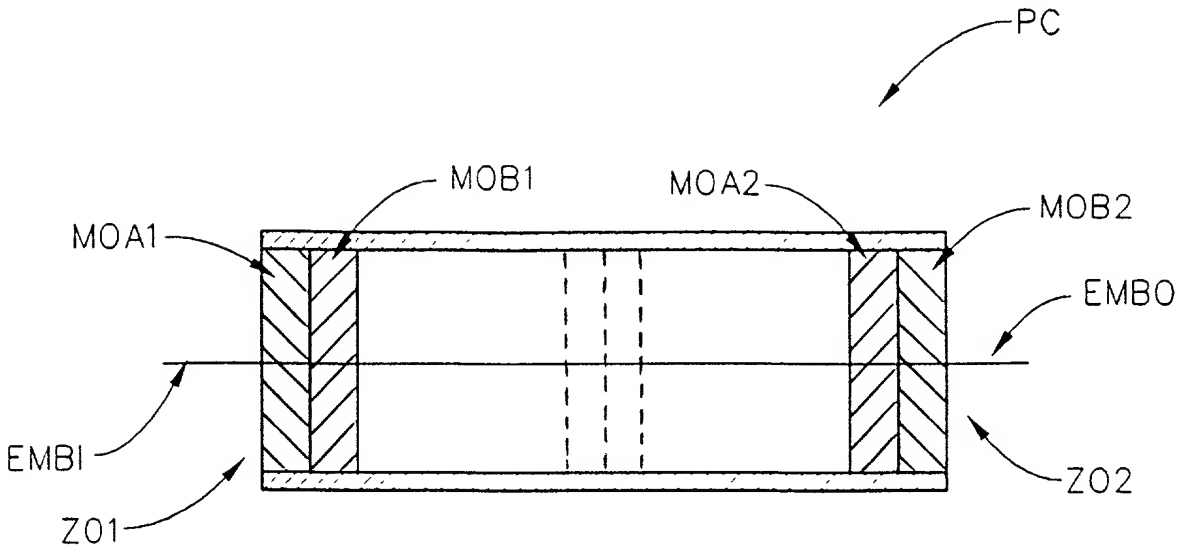


FIG. 9g₁

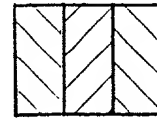


FIG. 9g₂

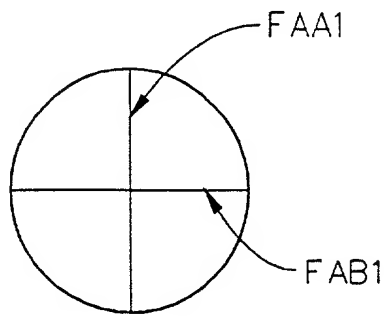


FIG. 9h

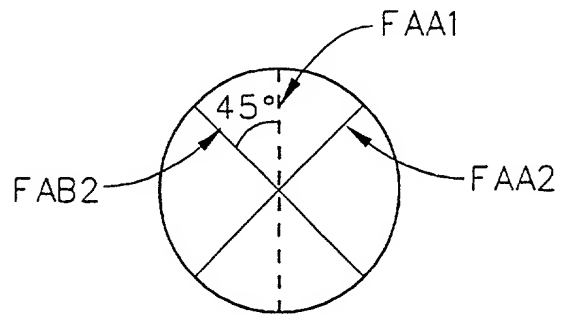


FIG. 9i

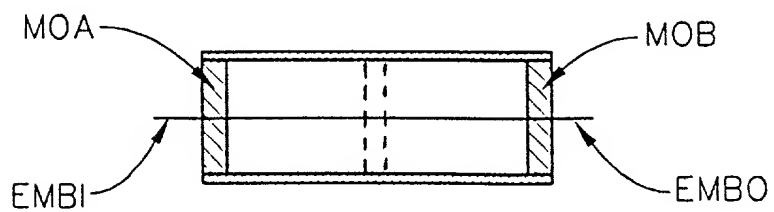


FIG. 9j

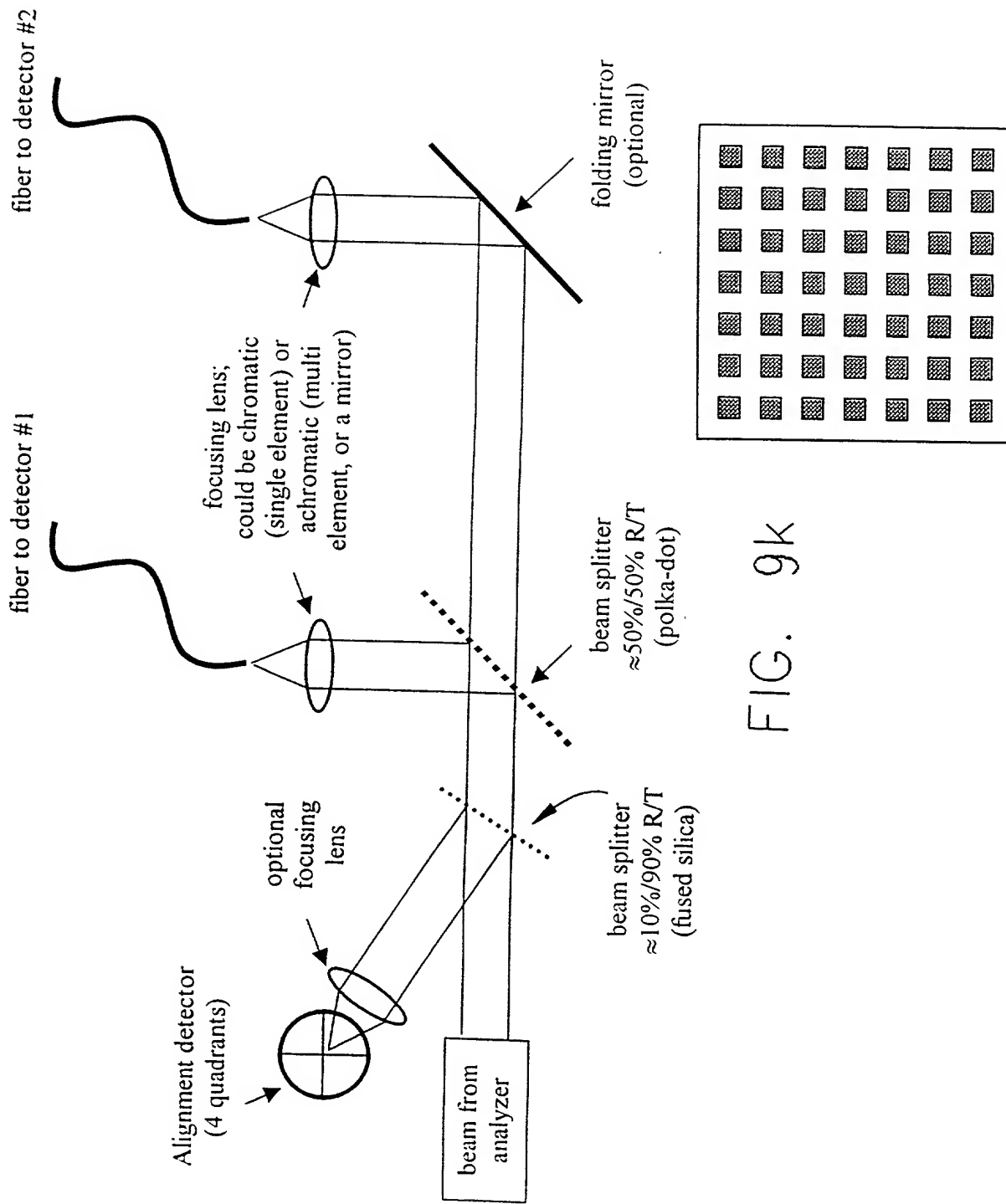


FIG. 9k

FIG. 9l

TECHNICAL REPORT

COMPARISON OF SINGLE VS. DUAL
WAVEPLATE COMPENSATOR DESIGN

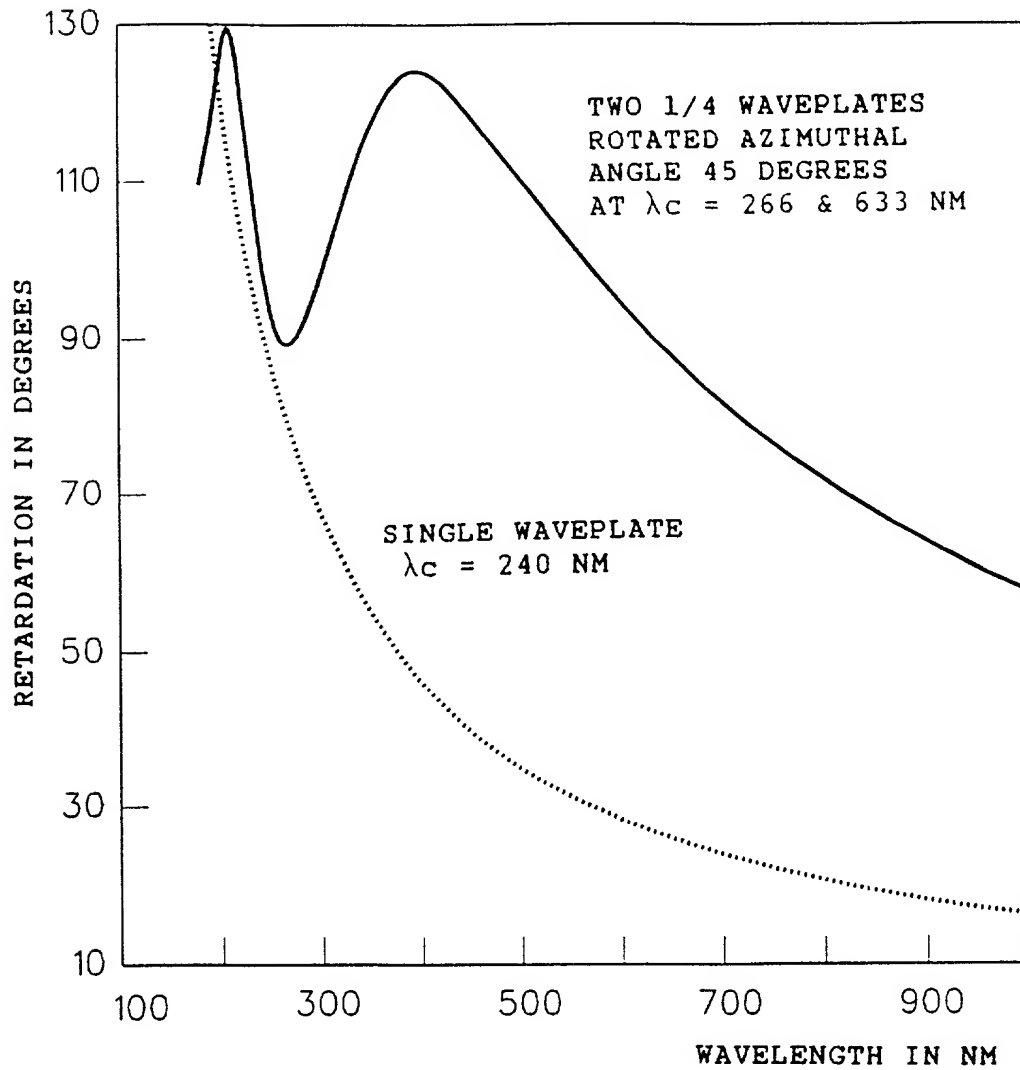


FIG. 10a

RETARDANCE CHARACTERISTICS OF WAVEPLATES USED IN DUAL ELEMENT COMPENSATOR DESIGN

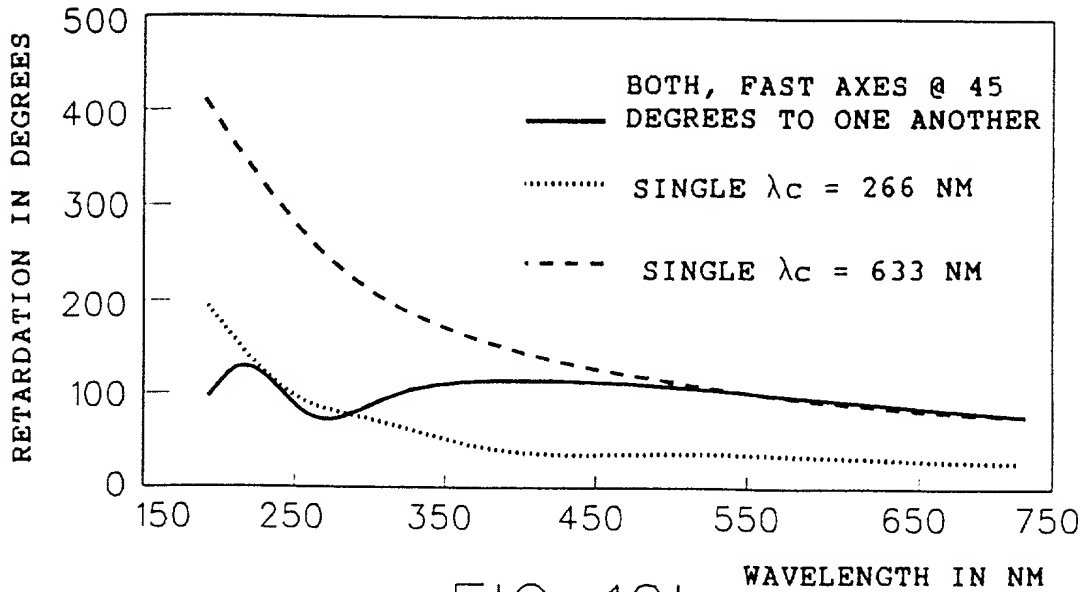


FIG. 10b

PRESENT INVENTION DUAL ELEMENT DESIGN FOR $\lambda_c = 266, 633$ NM & $\phi = 45$ DEGREES

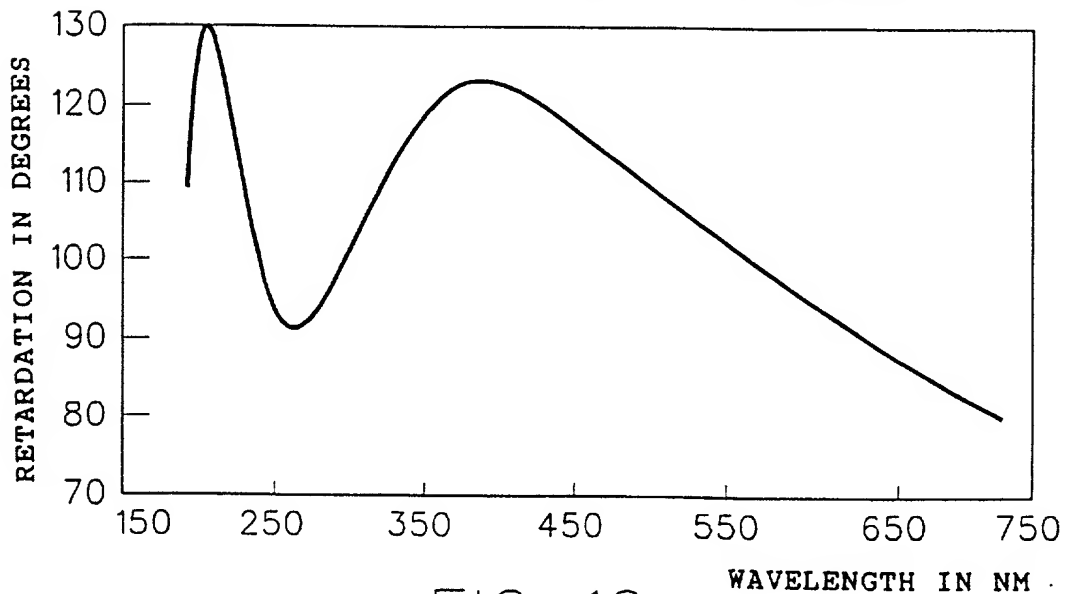


FIG. 10c

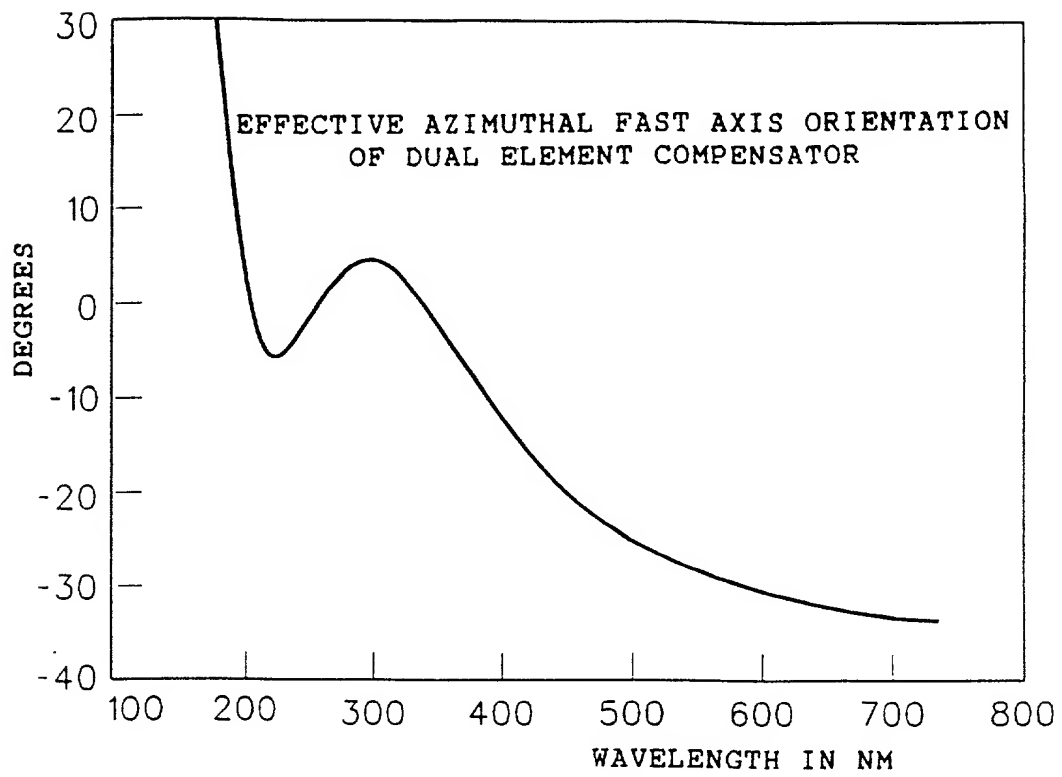


FIG. 10d

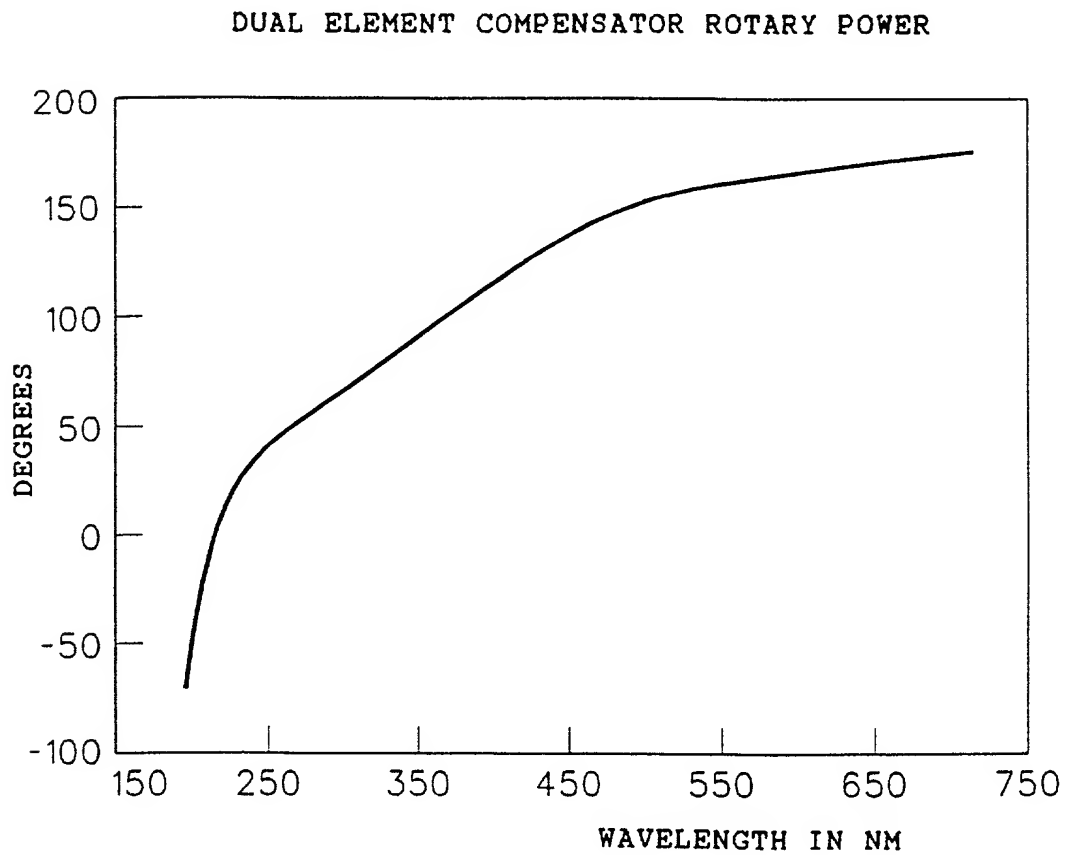


FIG. 10e

DUAL ELEMENT COMPENSATOR DESIGN FOR
UV-VIS SPECTRAL RANGE 245-850 NM

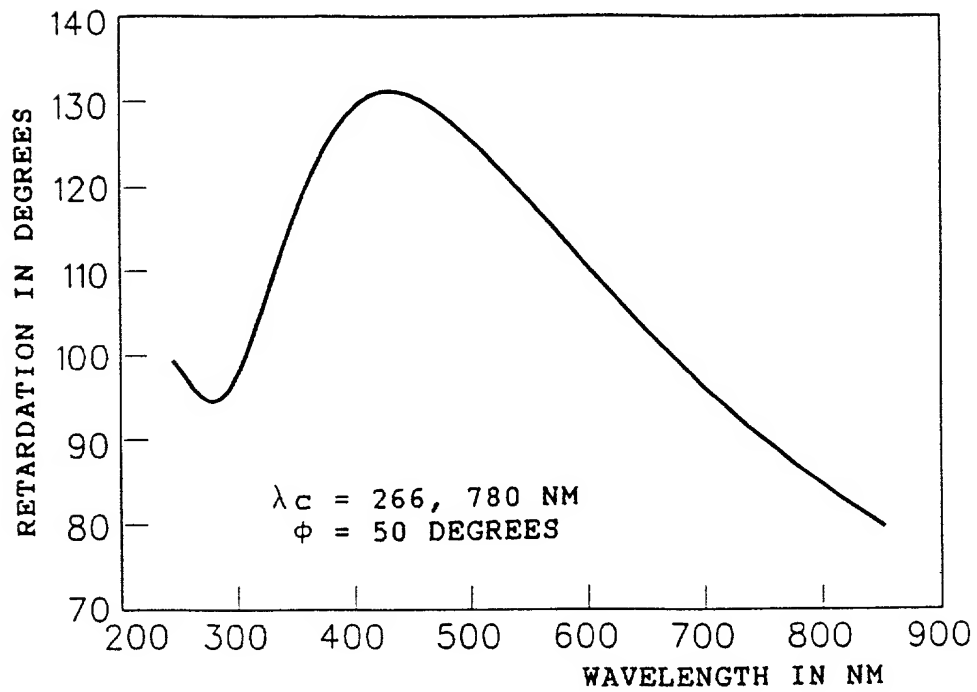


FIG. 10f

DUAL ELEMENT COMPENSATOR DESIGN FOR
UV-VIS SPECTRAL RANGE 390-1700 NM

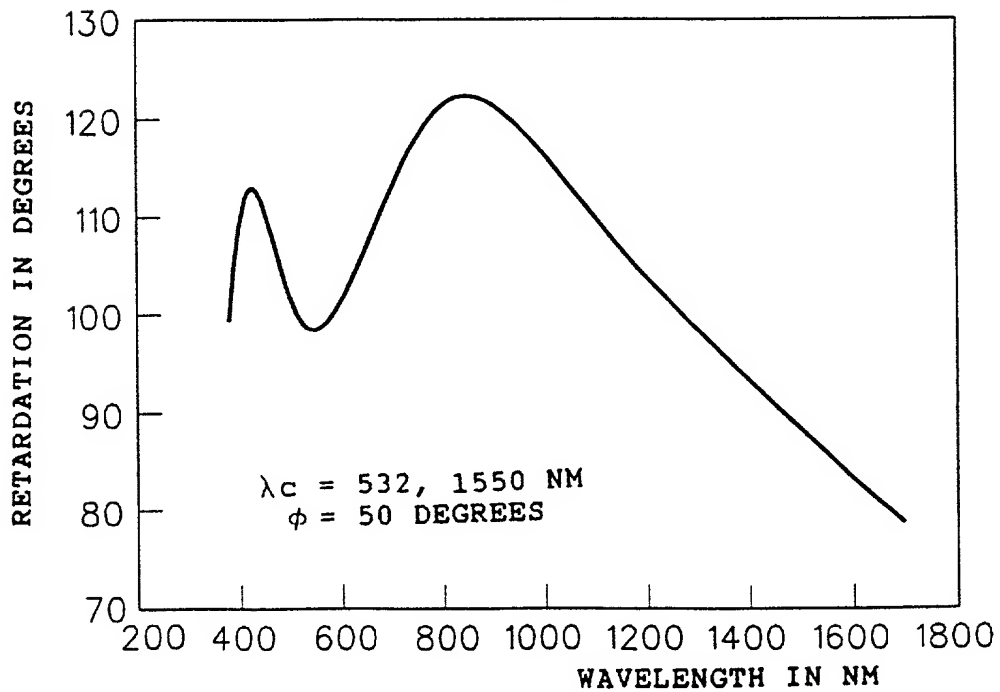


FIG. 10g₁

3-Element Compensator Design

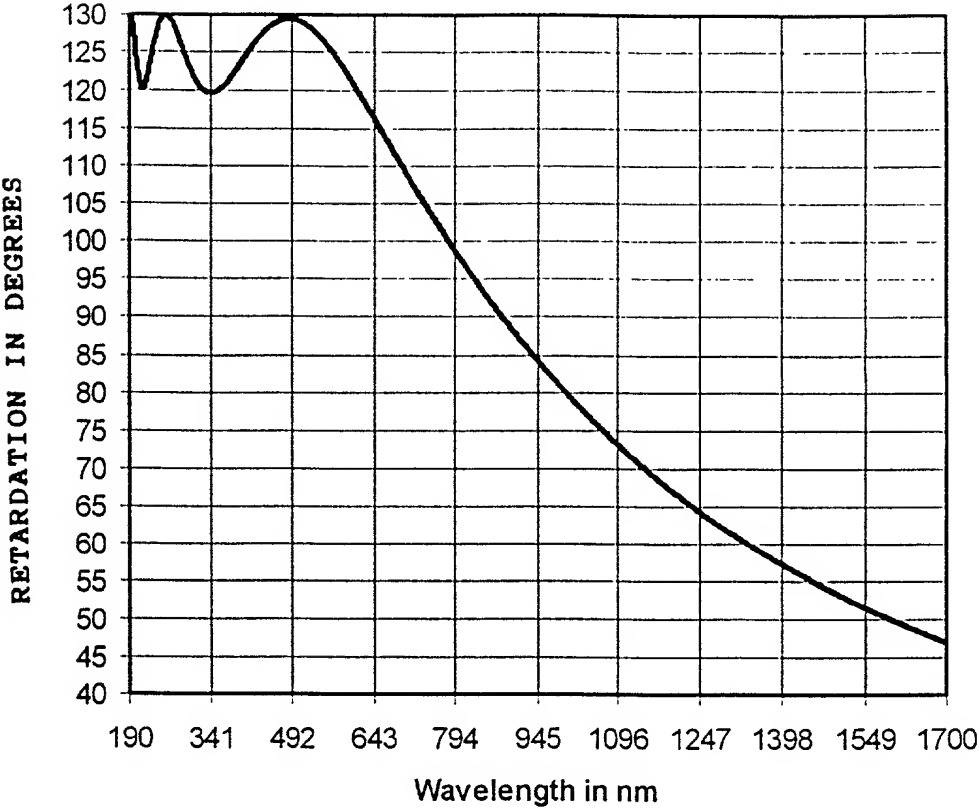


FIG. 10g 2

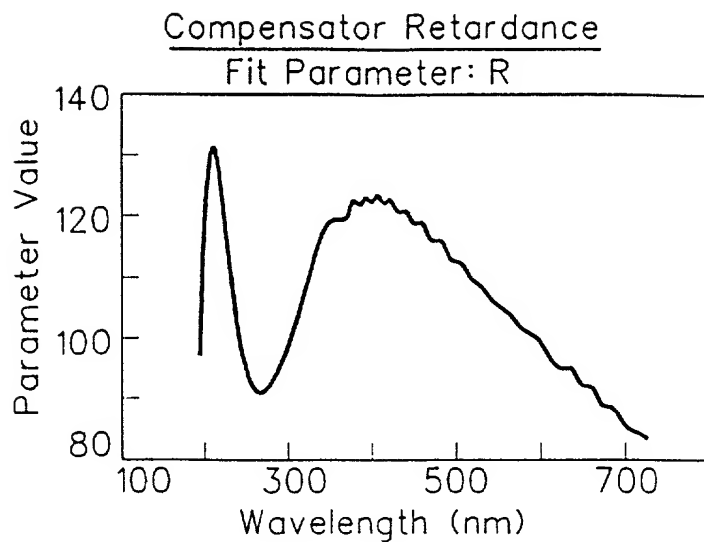


FIG. 10h

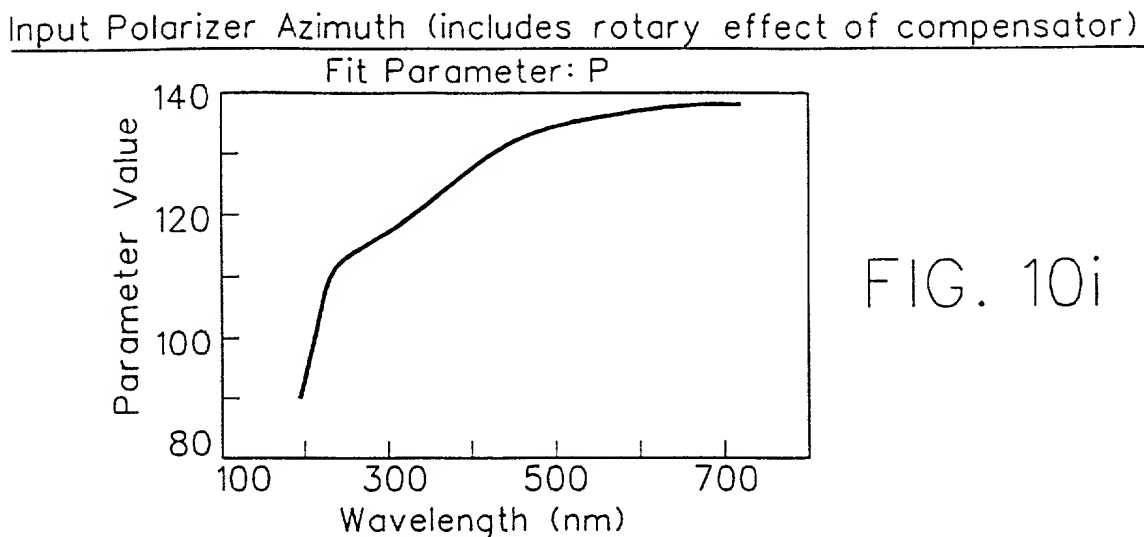


FIG. 10i

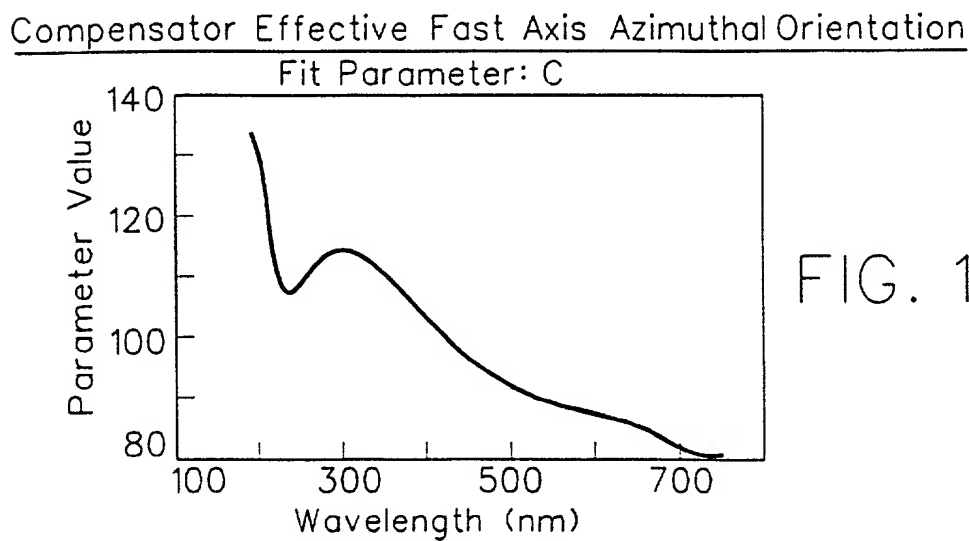


FIG. 10j

Depolarization Parameter 'C'

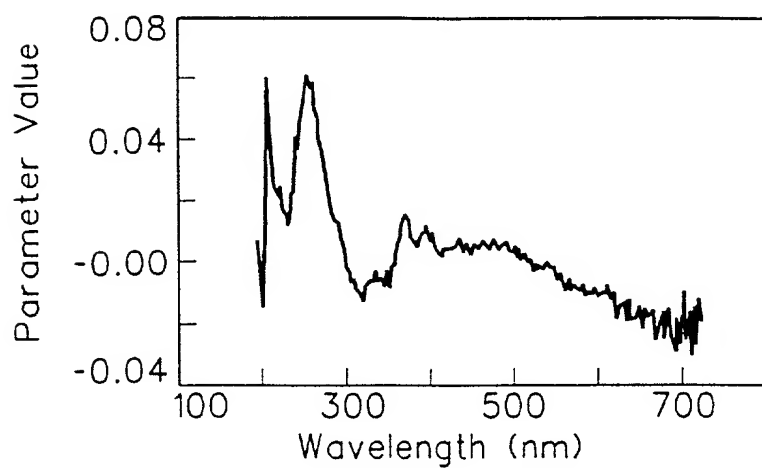


FIG. 10k

Depolarization Parameter 'B'

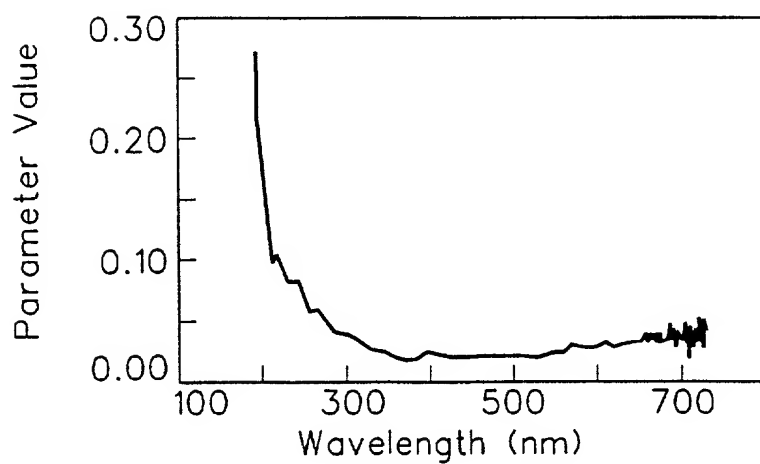


FIG. 10l

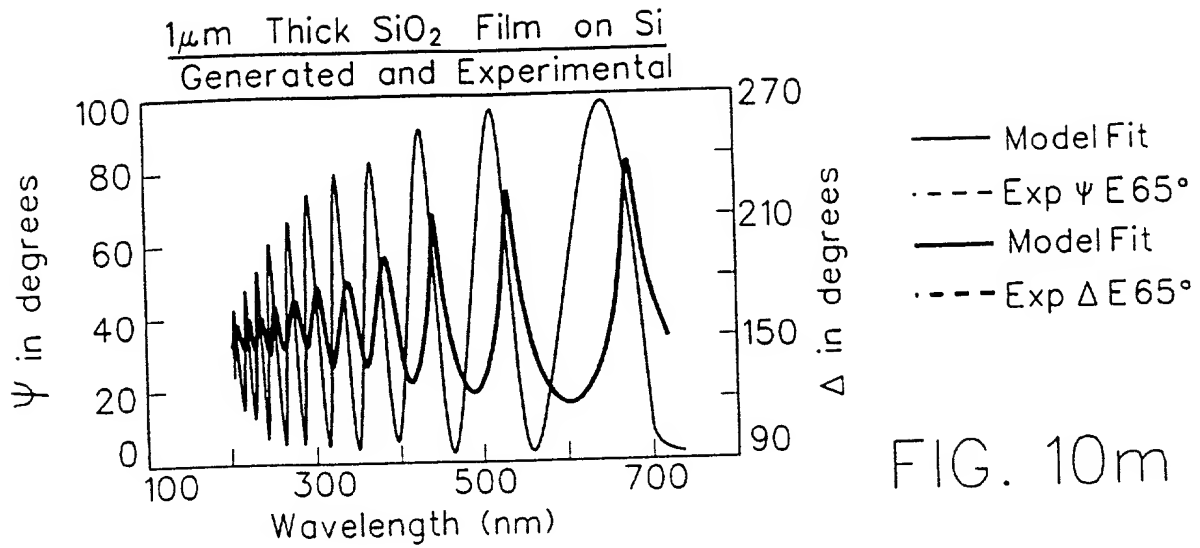


FIG. 10m

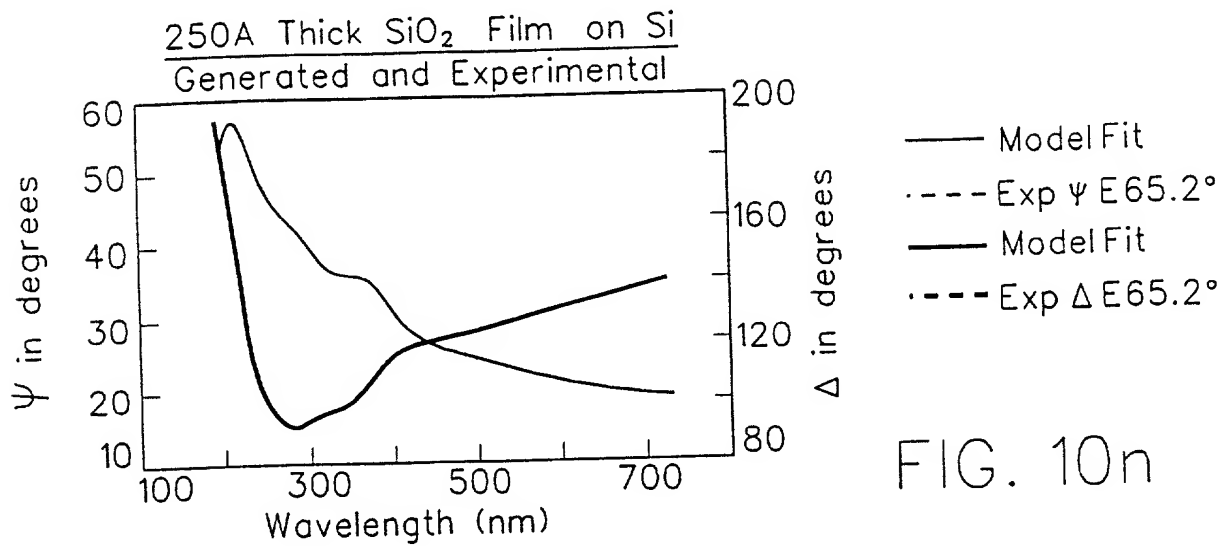


FIG. 10n

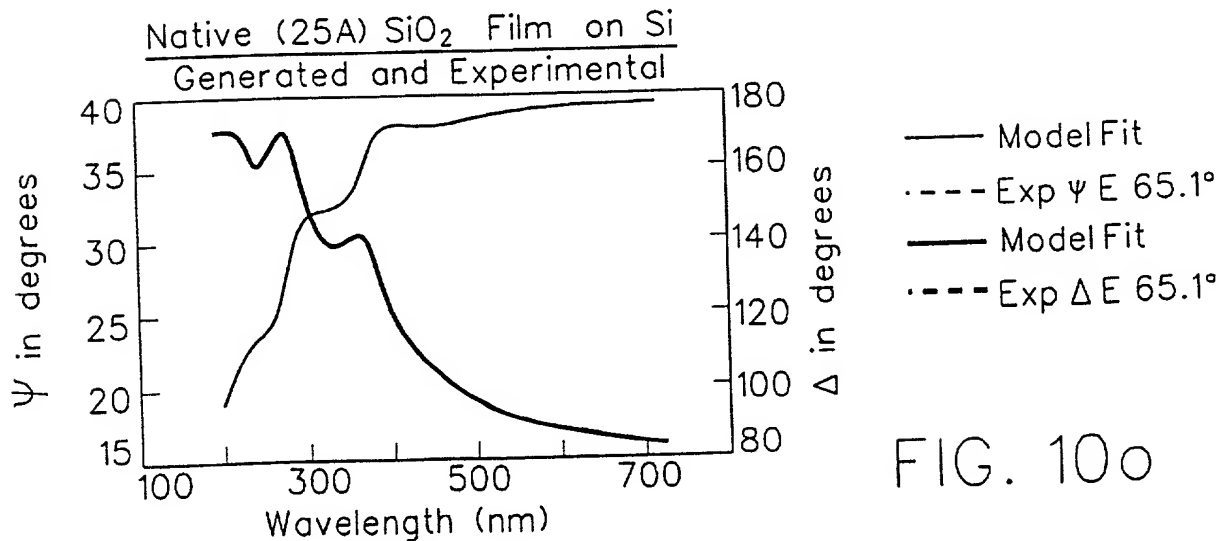


FIG. 10o